



ATLONA
1 x4 HDMI v1.3 DISTRIBUTION AMPLIFIER

USER MANUAL
MODELS: AT-HD-V14



TABLE OF CONTENTS

1. Introduction 1

3. Specifications & Package Contents 2

4. Panel Descriptions 3

5. Hardware Installation 3

6. Notice 4

7. Safety Informations 5

8. Warranty 6

The Atlona AT-HD-V14 1x4 HDMI 1.3 Distribution Amplifier provides the most cost effective and advanced HDMI 1.3 splitter solution on the market, by which the high definition video and high quality audio can be transmitted to 4 different locations without losing quality. With built-in USB firmware update mechanism, the compatibility among countless HDMI sources and receivers can be further guaranteed. With 12 bit deep color video and high definition audio support, AT-HD-V14 is suitable for high quality A/V broadcasting, digital signage and education applications!

Features:

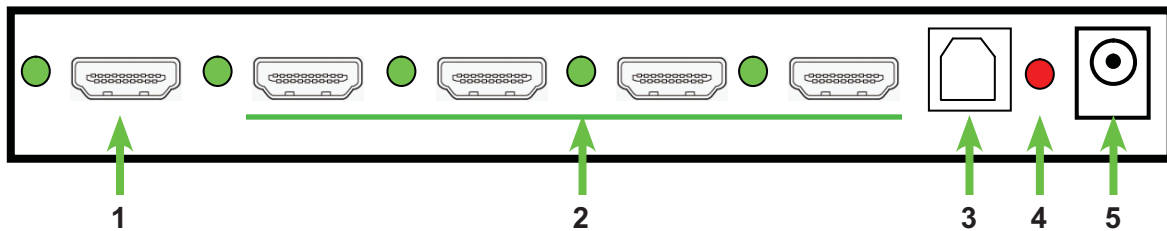
- HDMI 1.3c and DVI 1.0 compliant
- HDCP 1.2 compliant
- Wide Frequency Range: 25MHz~225MHz
- Video bandwidth: 6.75GBPS
- Supports conversion of HDMI signaling to DVI
- Resolution up to 1080p or WUXGA
- Automatic EDID learning
- Supports xvYCC
- Supports CEC (not bypassing)* ***Depends on models**
- USB firmware update for expanding compatibility
- Supports Dolby Digital, DTS-HD and Dolby True HD audio
- Easy installation

Automatic EDID learning will detect all the connected HDMI equipped monitors and analyze all the content of EDID. The EDID with minimal resolution support will be the reference EDID for incoming HDMI source players.

SPECIFICATIONS & PACKAGE CONTENTS

Model Name	AT-HD-V14
Technical	
HDMI compliance	HDMI 1.3c [Deep Color, xvYCC color space supported]
DVI compliance	DVI 1.1
HDCP compliance	Yes
Video bandwidth	Single-link 225MHz [6.75Gbps]
Video support	Up to WUXGA [1920x1200@60Hz] & UXGA [1600x1200@60Hz]
Audio support	DTS-HD Master Audio, Dolby TrueHD Dolby Digital, DTS, DVD-Audio, LPCM, SACD, MPCM
ESD protection	[1] Human body model — ±15kV [air-gap discharge] & ±8kV [contact discharge] [2] Core chipset — ±2kV
PCB stack-up	4-layer board [impedance control — differential 100Ω; single 50Ω]
USB firmware updatable	YES
Input TMDS signal	1.2 Volts [peak-to-peak]
Input DDC signal	5 Volts [peak-to-peak, TTL]
Input	1x HDMI [7.1ch audio & video]
Output	4x HDMI [7.1ch audio & video]
HDMI connector	Type A [19-pin female]
Mechanical	
Housing	Metal
Dimensions (L x W x H)	Model: 180x108x27mm Package: 330x200x95mm Carton: 495 x 440 x 380mm
Weight	AT-HD-V14: 2 [lbs] / Package: 3 [lbs]
Mounting	Wall-mounting case with screws upon request
Power supply	5V 2A DC
Power consumption	4 Watts [max]
Operation temperature	0~40°C [32~104°F]
Storage temperature	-20~60°C [-4~140°F]
Relative humidity	20~90% RH [no condensation]
Package Contents	1x AT-HD-V14 1x 5V power adapter 1x User Manual

Rear Panel



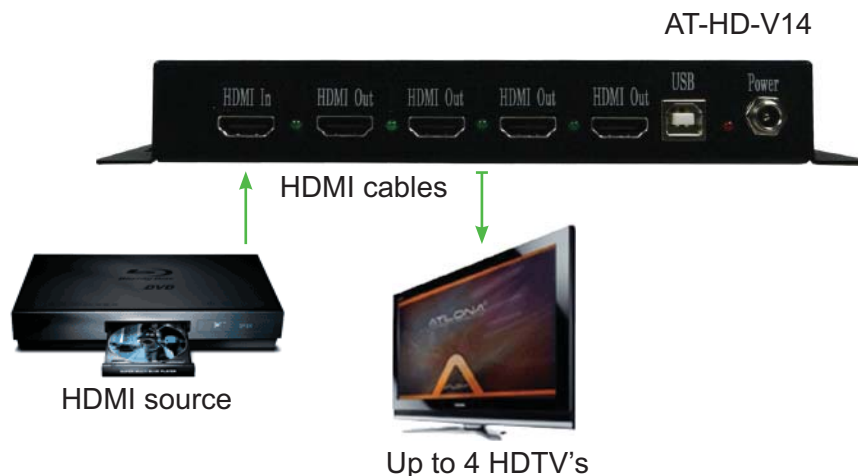
1. HDMI IN: HDMI input source
2. HDMI OUT: Distributed HDMI outputs
3. USB IN: For firmware update use only
4. Power Indicator: When powered on, the LED will blink.
5. DC IN: 5V 2A

When the connected HDMI equipped monitor is verified as HDMI and HDCP compliant, the corresponding green LED will blink.

Hardware Installation

Broadcasts HDMI signal to 4 HDMI displays!

1. Switch off all devices, including monitors.
2. Connect to the receivers.
3. Connect an HDMI source (such as a Blu-ray Disc player) to the HDMI In.
4. Plug in 5V DC power supply.
5. Power on the HDMI monitors.
6. Power on the HDMI source.



NOTICE

1. While connecting a new monitor to the splitter, experiencing a short period no display may be expected. Automatic EDID learning will analyze the newly connected monitor to see if the EDID for the HDMI input is necessary to update!
2. For long range high definition HDMI transmission applications, please adopt CAT-5 cable based HDMI extenders.

Safeguards

To reduce the risk of electric shock, do not expose this product to rain or moisture.

If the wall plug does not fit into your local power socket, hire an electrician to replace your obsolete socket.

Do not modify the wall plug. Doing so will void the warranty and safety features.

This equipment should be installed near the socket outlet and the device should be easily accessible in case it requires disconnection.

Precautions

FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

Operate this product using only the included external power supply. Use of other power supplies could impair performance, damage the product or cause fires.

In the event of an electrostatic discharge, this device may automatically turn off. If this occurs, unplug the device, and plug it back in.

Protect and route power cords so they will not be stepped on or pinched by anything placed on or against them. Be especially careful of plug-ins, or cord exit points from this product.

Avoid excessive humidity, sudden temperature changes or temperature extremes.

Keep this product away from wet locations such as bathtubs, sinks, laundries, wet basements and swimming pools.

Use only accessories recommended by ATLONA to avoid fire, shock or other hazards.

Unplug the product before cleaning. Use a damp cloth for cleaning. Do not use cleaning fluid or aerosols, which could enter the unit and cause damage, fire or electrical shock. Some substances may also mar the finish of the product.

Never open or remove unit panels or make any adjustments not described in this manual. Attempting to do so could expose you to dangerous electrical shock or other hazards. It may also cause damage to your AT-HD-V14. Opening the product will void the warranty.

Do not attempt to service the unit. Instead disconnect it and contact your Authorised ATLONA reseller or contact ATLONA directly.

WARRANTY

LIMITED ONE-YEAR WARRANTY

ATLONA by Lenexpo Electronics warrants only to the initial purchaser of this product for a period of one year from the date of purchase from an Authorized ATLONA Reseller, the product will be free of electrical and mechanical defects that materially affect the products operation as described in this users manual. Within this period, ATLONA will, at it's sole option, repair or replace any components, which fail of normal use or refund the net original price.

DISCLAIMER OF WARRANTY

ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO ONE YEAR FROM PURCHASE; ALL OTHER EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS AND WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF NON-INFRINGEMENT, ARE DISCLAIMED. Some jurisdictions do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary by jurisdiction.

LIMITATION OF LIABILITY

TO THE EXTENT NOT PROHIBITED BY LAW, IN NO EVENT WILL ATLONA OR ITS SUPPLIERS BE LIABLE FOR ANY LOST REVENUE, PROFIT OR DATA, OR FOR SPECIAL, INDIRECT, CONSEQUENTIAL, INCIDENTAL, OR PUNITIVE DAMAGES, HOWEVER CAUSED REGARDLESS OF THE THEORY OF LIABILITY, ARISING OUT OF OR RELATED TO THE USE OF OR INABILITY TO USE THE PRODUCT, EVEN IF ATLONA HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT ATLONA'S LIABILITY TO YOU, WHETHER IN CONTRACT, TORT (INCLUDING NEGLIGENCE), OR OTHERWISE, EXCEED THE AMOUNT PAID BY YOU FOR THE PRODUCT. The foregoing limitations will apply even if any warranty or remedy provided to you fails its essential purpose. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of or exclusion may not apply to you.

Disclaimer

This document is provided for technical information for the user. It does not create any warranty with respect to the product, and does not modify or enhance the terms of the warranty that may accompany this product.

ATLONA reserves the right to modify the information in this document as necessary.

ATLONA holds no responsibility for any errors that may appear in this document. Customers should take appropriate action to ensure their use of the product does not infringe upon any patents. ATLONA respects valid patent rights of third parties.

Trademarks and Copyrights All other product names or marks referenced herein are trademarks or registered trademarks of their respective owners.



ATLONA
2151 O'toole Ave, Ste D
San Jose CA 95131
Toll Free: 1-877-536-3976
International: 408-954-8782
FAX: 408-954-8792
Website: www.atlona.com
E-MAIL: info@atlona.com